

WHAT IS CLAIMED IS:

1. A child resistant safety cap device for applicator tubes, which comprises:

- 5 (a) a base element, said base element having a top and a sidewall, and having a container tube attachment mechanism located under said top and adapted to affix said base element to a container tube, said top having a content outlet located thereon and an elongated applicator nozzle at said content
- 10 outlet and extending upwardly therefrom away from said container tube attachment mechanism;
- (b) a cap, adapted to fit onto said base element, said cap having an upper portion and a lower portion, said upper portion including a top and a sidewall, said lower portion
- 15 including a downward extension of said sidewall, said upper portion including an applicator nozzle sealing means under its top, and adapted to seal said applicator nozzle when said cap is attached to said base element in a closed position;
- (c) at least one keyway latching system, said keyway
- 20 latching system including a track having a downward entry section and an upward locking section, and including a track rider corresponding to said track, one of said track and said

track rider being located on the outside of said base element  
sidewall and the other being located on the inside of said cap  
lower portion sidewall, and positioned to operate  
cooperatively;

- 5 (d) at least one spring connected to one of said cap and said base  
element and positioned so as to push upwardly against said  
cap and to bias said cap away from said base element when  
said cap is in a closed position;

wherein, said cap has a closed position when said cap has been pushed  
10 downwardly onto said base element and rotated to engage said track  
rider with said track and to move said track rider into said upward  
locking section, and further wherein, when said cap is in said closed  
position, it cannot be removed from said base element by rotation unless  
it is pushed down and rotated.

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2. The child resistant safety cap device for applicator tubes of  
claim 1, wherein said at least one spring is connected to said cap.

3. The child resistant safety cap device for applicator tubes of claim 2,  
20 wherein said at least one spring is connected inside said sidewall of said  
cap at its lower portion.

4. The child resistant safety cap device for applicator tubes of claim 1 wherein said at least one spring is connected to said base element.

5. The child resistant safety cap device for applicator tubes of claim 4 wherein said at least one spring is connected to said elongated applicator nozzle of said base element.

6. The child resistant safety cap device for applicator tubes of claim 4 wherein there are two springs, and said springs are opposite one another.

7. The child resistant safety cap device for applicator tubes of claim 6 wherein said two springs are connected to said elongated applicator nozzle of said base element.

8. The child resistant safety cap device for applicator tubes of claim 1 wherein said lower portion of said sidewall of said cap includes an internal cross section that is greater than an internal cross section of said upper portion of said sidewall of said cap.

9. The child resistant safety cap device for applicator tubes of claim 7 wherein said lower portion of said sidewall of said cap includes an

internal cross section that is greater than an internal cross section of said upper portion of said sidewall of said cap.

10. The child resistant safety cap device for applicator tubes of claim 1 wherein the outside sidewall of said base element and the inside sidewall of at least the lower portion of said sidewall of said cap have circular top views.

11. A child resistant safety cap device and applicator tube, which comprises:

(a) a base element attached to an applicator tube, said base element having a top and a sidewall, and having a container tube attachment mechanism located under said top and adapted to affix said base element to a container tube, said top having a content outlet located thereon and an elongated applicator nozzle at said content outlet and extending upwardly therefrom away from said container tube attachment mechanism;

(b) a cap, adapted to fit onto said base element, said cap having an upper portion and a lower portion, said upper portion including a top and a sidewall, said lower portion including a downward extension of said sidewall, said upper

portion including an applicator nozzle sealing means under its top, and adapted to seal said applicator nozzle when said cap is attached to said base element in a closed position;

(c) at least one keyway latching system, said keyway

5 latching system including a track having a downward entry section and an upward locking section, and including a track rider corresponding to said track, one of said track and said track rider being located on the outside of said base element sidewall and the other being located on the inside of said cap  
10 lower portion sidewall, and positioned to operate cooperatively;

(d) at least one spring connected to one of said cap and said base element and positioned so as to push upwardly against said cap and to bias said cap away from said base element when  
15 said cap is in a closed position;

(e) said applicator tube;

wherein, said cap has a closed position when said cap has been pushed downwardly onto said base element and rotated to engage said track rider with said track and to move said track rider into said upward  
20 locking section, and further wherein, when said cap is in said closed position, it cannot be removed from said base element by rotation unless it is pushed down and rotated.

12. The child resistant safety cap device and applicator tube of claim 11, wherein said at least one spring is connected to said cap.

5 13. The child resistant safety cap device and applicator tube of claim 12, wherein said at least one spring is connected inside said sidewall of said cap at its lower portion.

10 14. The child resistant safety cap device and applicator tube of claim 11 wherein said at least one spring is connected to said base element.

15 15. The child resistant safety cap device and applicator tube of claim 14 wherein said at least one spring is connected to said elongated applicator nozzle of said base element.

20 16. The child resistant safety cap device and applicator tube of claim 14 wherein there are two springs, and said springs are opposite one another.

17. The child resistant safety cap device and applicator tube of claim 16 wherein said two springs are connected to said elongated applicator nozzle of said base element.

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18. The child resistant safety cap device and applicator tube of claim 11 wherein said lower portion of said sidewall of said cap includes an internal cross section that is greater than an internal cross section of said upper portion of said sidewall of said cap.

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19. The child resistant safety cap device and applicator tube of claim 17 wherein said lower portion of said sidewall of said cap includes an internal cross section that is greater than an internal cross section of said upper portion of said sidewall of said cap.

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20. The child resistant safety cap device and applicator tube of claim 11 wherein the outside sidewall of said base element and the inside sidewall of said cap includes an internal cross section that is greater than an internal cross section of said upper portion of said sidewall of said cap.